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PATENT  
ATTORNEY DOCKET: 55320.000601

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number : 10/522,121 Confirmation No.: 3990  
Applicant : Jan-Elo JØRGENSEN  
Filed : January 24, 2005  
Title : METHOD OF IDENTIFYING GENES INVOLVED IN CELL GROWTH REGULATION  
TC/Art Unit : 1645  
Examiner: : Unassigned  
  
Docket No. : 55320.000601  
Customer No. : 21967

**MAIL STOP AMENDMENT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, applicant submits attached Form PTO-SB/08A (modified) for consideration and requests the references (items) cited therein be made of record by the U.S. Patent and Trademark Office in the above-captioned application.

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of cited U.S. patents and/or U.S. patent application publications are not being provided.

Applicant respectfully points out that the submission of the listed references in this Information Disclosure Statement is not an admission that they are prior art or that they are material to patentability of any claims of the application. Also, the submission of this Information Disclosure Statement is not an indication that a search has been made by Applicant.

For the convenience of the Examiner in considering the cited references, a copy of each of the cited references (except as stated above) is enclosed with this

communication. In considering the cited references, it may be noted by the Examiner that certain of the references may contain markings, underlinings, and/or other notations. These markings, underlinings, and/or other notations are not to be construed as drawing the Examiner's attention either to selected parts or away from other parts of the cited references. Any such markings were either present on the copies of the cited references obtained by the associated individuals, or were made thereon during the study of the references by the associated individuals.

Consideration of the foregoing plus the prompt return of a copy of the enclosed Form SB/08A with the Examiner's initials in the left column in accordance with MPEP 609 are respectfully requested.

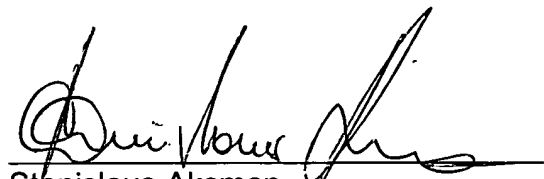
In accordance with 37 C.F.R. § 1.97(b), this Information Disclosure Statement is believed to be submitted prior to issuance of a first Office Action. Therefore, it is respectfully submitted that no fee is required for consideration of this Information Disclosure Statement. However, in the event any fee is deemed necessary, the Commissioner is authorized to charge the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: June 22, 2005

By:

  
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Substitute for form 1449/APTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(use as many sheets as necessary)*

Application Number	10/522,121
Filing Date	01-24-2005
First Named Inventor	Jan-Elo JORGENSEN
Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	55320.000601

Sheet 1 of 4

**U.S. PATENT DOCUMENTS**

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US- 6166293	12-26-2000	Doerner et al.	

**FOREIGN PATENT DOCUMENTS**

*Examiner Initial	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code:	Number - Kind Code (if known)				YES	NO
	2.	WO	96/30402	10-03-1996	Xu et al.		<input type="checkbox"/>	<input type="checkbox"/>
	3.	WO	97/44485	11-27-1997	Goodfellow		<input type="checkbox"/>	<input type="checkbox"/>
	4.	WO	98/03631	01-29-1998	Doerner et al.		<input type="checkbox"/>	<input type="checkbox"/>
	5.	WO	98/42851	10-01-1998	Murray		<input type="checkbox"/>	<input type="checkbox"/>
	6.	WO	00/32760	06-08-2000	Doerner et al.		<input type="checkbox"/>	<input type="checkbox"/>

**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
	7.	COCKCROFT et al., "Cyclin D control of growth rate in plants, " Nature, Vol. 405, June 1, 2000, pp. 575-579	<input type="checkbox"/>	<input type="checkbox"/>
	8.	HEMERLY et al., "Genes regulating the plant cell cycle: Isolation of a mitotic-like cyclin from Arabidopsis thaliana," Proc. Natl. Acad. Sci. USA, Vol. 89, pp. 3295-3299, April 1992	<input type="checkbox"/>	<input type="checkbox"/>
	9.	MIRONOV et al., "Cyclin-Dependent Kinases and Cell Division in Plants- The Nexus," The Plant Cell, Vol. 11, pp. 509-521, April 1999	<input type="checkbox"/>	<input type="checkbox"/>
	10.	HEMERLY et al., "cdc2a Expression in Arabidopsis Is Linked with Competence for Cell Division," The Plant Cell, Vol. 5, pp. 1711-1723, December 1993	<input type="checkbox"/>	<input type="checkbox"/>

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DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Application Number	10/522,121
Filing Date	01-24-2005
First Named Inventor	Jan-Elo JORGENSEN
Art Unit	1645
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Attorney Docket Number	55320.000601

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**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

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			YES	NO
	11.	MARTINEZ et al., "Spatial pattern of cdc2 expression in relation to meristem activity and cell proliferation during plant development," Proc. Natl. Acad. Sci. USA, Vol. 89, pp. 7360-7364, August 1992	<input type="checkbox"/>	<input type="checkbox"/>
	12.	SONI et al., "A Family of Cyclin D Homologs from Plants Differentially Controlled by Growth Regulators and Containing the Conserved Retinoblastoma Protein Interaction Motif," The Plant Cell, Vol. 7, pp. 85-103, January 1995	<input type="checkbox"/>	<input type="checkbox"/>
	13.	COLON-CARMONA et al., "Spatio-temporal analysis of mitotic activity with a labile cyclin-GUS fusion protein," The Plant Journal (1999) 20(4), pp. 503-508	<input type="checkbox"/>	<input type="checkbox"/>
	14.	FIRE et al., "Potent and specific genetic interference by double-stranded RNA in Caenorhabditis elegans," Nature, Vol. 391, February 19, 1998, pp. 806-811	<input type="checkbox"/>	<input type="checkbox"/>
	15.	WESLEY et al., "Construct design for efficient, effective and high-throughput gene silencing in plants," The Plant Journal (2001) 27(6), pp. 581-590	<input type="checkbox"/>	<input type="checkbox"/>
	16.	de JAGER et al., "Retinoblastoma proteins in plants," Plant Molecular Biology, 41: 295-299, 1999	<input type="checkbox"/>	<input type="checkbox"/>
	17.	XIE et al., "Plant cells contain a novel member of the retinoblastoma family of growth regulatory proteins," The EMBO Journal, Vol. 15, No. 18, pp. 4900-4908, 1996		
	18.	VOS et al., "AFLP: a new technique for DNA fingerprinting," Nucleic Acids Research, 1995, Vol. 23, No. 21, pp. 4407-4414		
	19.	BREYNE et al., "AFLP analysis of genetic diversity within and between <i>Arabidopsis thaliana</i> ecotypes," Mol. Gen. Genet. (1999), 261: 627-634		

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PTO/SB/08A (10/01) (modified)  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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First Named Inventor Jan-Elo JORGENSEN  
 Art Unit 1645  
 Examiner Name Unassigned

Sheet 3 of 4 Attorney Docket Number 55320.000601

## OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

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			YES	NO
	20.	AZPIROZ-LEECHAN et al., "T-DNA insertion mutagenesis in Arabidopsis: going back and forth," TIG, April 1997, Vol. 13, No. 4, pp. 147-156		
	21.	TANKSLEY et al., "Chromosome landing: a paradigm for map-based gene cloning in plants with large genomes," TIG, February 1995, Vol. 11, No. 2, pp. 63-68		
	22.	MEIJER et al., "The role and regulation of D-type cyclins in the plant cell cycle," Plant Molecular Biology 43: 621-633, 2000		
	23.	VANDEPOELE et al., "Genome-Wide Analysis of Core Cell Cycle Genes in Arabidopsis," The Plant Cell, Vol. 14, pp. 903-916, April 2002		
	24.	BENJAMINS et al., "The PINOID protein kinase regulates organ developments in Arabidopsis by enhancing polar auxin transport," Development 128: 4057-4067 (2001)		
	25.	CHRISTENSEN et al., "Regulation of Auxin Response by the Protein Kinase PINOID," Cell, Vol. 100, 469-478, February 18, 2000		
	26.	WALKER et al., "SIAMESE, a gene controlling the endoreduplication cell cycle in Arabidopsis thaliana trichomes," Development 127: 3931-3940 (2000)		
	27.	KOCABEK et al., "Identification and mapping of a T-DNA induced flower mutation in Arabidopsis thaliana," Biologia Plantarum 42(3): 349-359 1999		
	28.	SPONSEL et al., "Characterization of New Gibberellin-Responsive Semidwarf Mutants of Arabidopsis," Plant Physiol. (1997) 115: 1009-1020		
	29.	FAURE et al., "The PASTICCINO genes of Arabidopsis thaliana are involved in the control of cell division and differentiation," Development 125: 909-918 (1998)		

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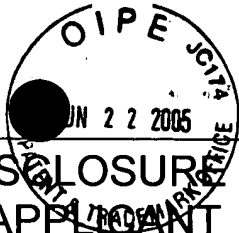
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			YES	NO
	30.	MIRONOV et al., "Regulation of cell division in plants: an Arabidopsis perspective," Prog. Cell Cycle. Res., 1997, 3: pp. 29-41 (ABSTRACT)		
	31.	REVENKOVA et al., "Involvement of Arabidopsis thaliana ribosomal protein S27 in mRNA degradation triggered by genotoxic stress," EMBO, Vol. 18, No. 12, January 15, 1999, pp 490-499		
	32.	Doerner et al. "Control of root growth and development by cyclin expression. Nature, 1996. 380 (6574): p. 520-523		

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